



COLUMBIA FIRE DEPARTMENT



QUARTERLY REPORT

Type of Report: Annual Q1 Q2 Q3 Q4
2021

How to read the data shown in this report

As an Internationally Accredited agency, the Columbia Fire Department uses data to assist in decision making as well as to ensure we are meeting or working toward the standard which is acceptable to the community.

All data is presented in the 90th percentile. This means the data shown is the fire departments performance 9 times out of 10. Utilizing the 90th percentile presents the data in a more realistic manner. Using the average only represents the performance 5 times out of 10 (50%).

Below are the quarterly statistical reports by response category. The fire department has broken down types of incidents into these four major categories.

Fire - encompasses all calls which include a fire; vehicle fires, structure fires, dumpster fires, and vegetation fires...

EMS - encompasses all calls which are medical in nature including vehicle accidents.

Hazmat - encompasses all calls which involve hazardous materials or hazardous conditions; spills, gas leaks inside, carbon monoxide emergencies...

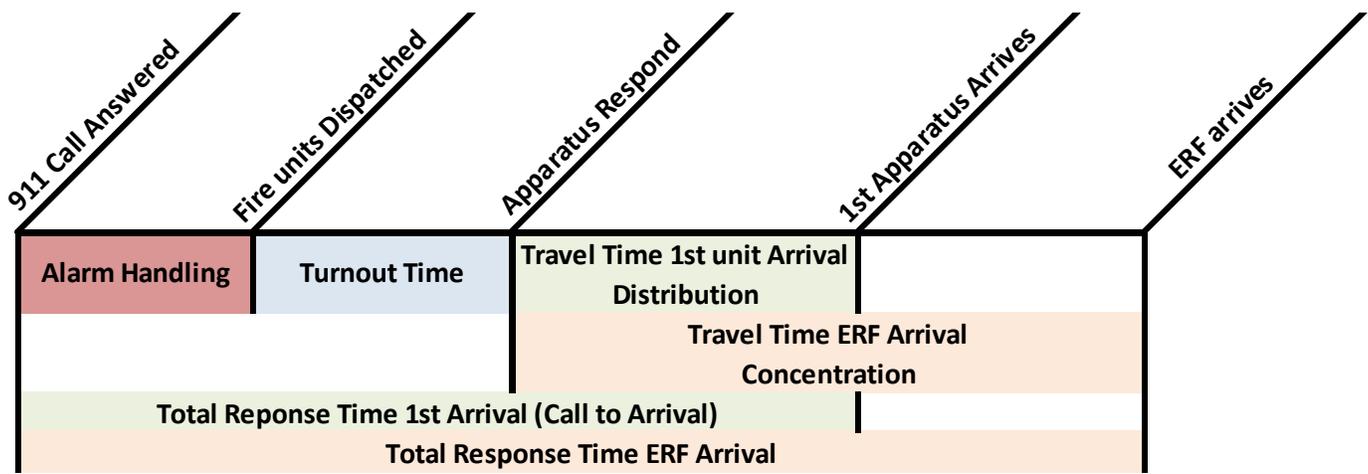
Tech Rescue - encompasses all calls which include any type of rescue; vehicle extrication, trench rescue, high angle rescue, water rescue...

When reading the charts the numbers signify for example:

Fire	
Department-Wide	
90% Baseline Performance	Q1
Alarm Handling	03:30 (53)

“03:30” is the time in minutes and seconds to the 90th percentile. The number in the parentheses “(53)” indicates the number of incidents which were analyzed to get that time. The benchmark column indicates the goal which the fire department set for each time component.

Below is a breakdown on what the time components are and when the clock starts and stops.



Fire						
Department-Wide	2021					
90% Baseline Performance	Q1	Q2	Q3	Q4	2021 All	Benchmark
Alarm Handling	03:18 (96)				03:18 (96)	2:00
Turnout	02:31 (90)				02:31 (90)	2:00
Travel	04:47 (96)				04:47 (96)	4:00
Call to Arrival-Distribution	08:48 (100)				08:48 (100)	8:00

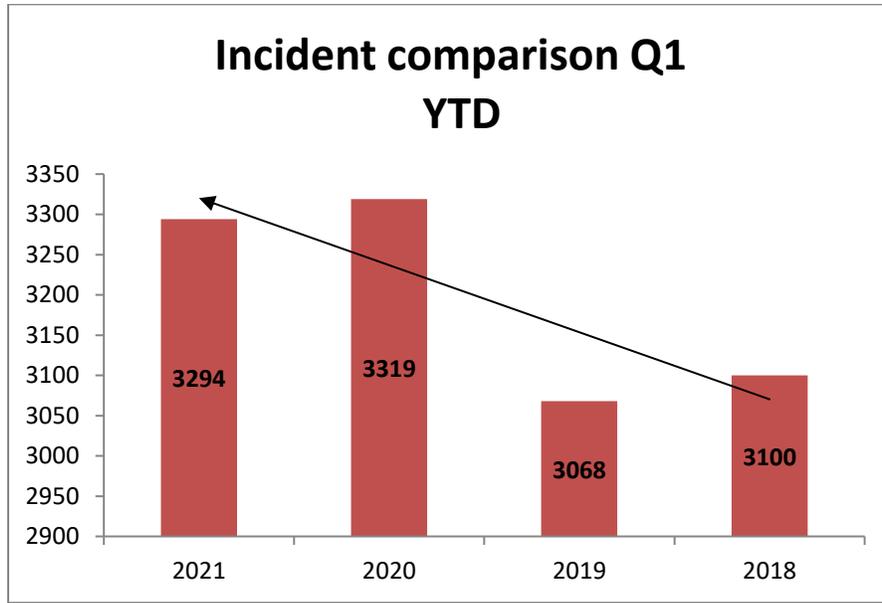
EMS						
Department-Wide	2021					
90% Baseline Performance	Q1	Q2	Q3	Q4	2021 All	Benchmark
Alarm Handling	02:21 (1,952)				02:21 (1,952)	2:00
Turnout	02:33 (1,745)				02:33 (1,745)	2:00
Travel	06:22 (1,961)				06:22 (1,961)	4:00
Call to Arrival-Distribution	09:01 (1,994)				09:01 (1,994)	8:00

Hazmat						
Department-Wide	2021					
90% Baseline Performance	Q1	Q2	Q3	Q4	2021 All	Benchmark
Alarm Handling	04:03 (28)				04:03 (28)	2:00
Turnout	02:25 (26)				02:25 (26)	2:00
Travel	10:39 (28)				10:39 (28)	4:00
Call to Arrival-Distribution	13:30 (28)				13:30 (28)	8:00

Tech Rescue						
Department-Wide	2021					
90% Baseline Performance	Q1	Q2	Q3	Q4	2021 All	Benchmark
Alarm Handling	04:33 (11)				04:33 (11)	2:00
Turnout	02:37 (8)				02:37 (8)	2:00
Travel	05:26 (12)				05:26 (12)	4:00
Call to Arrival-Distribution	09:39 (12)				09:39 (12)	8:00

Year over year incident comparison:

The chart below shows, the total number of responses by the department for the first quarter in the past four years.



The following analysis covers operations from 1/1/2021 through 3/31/2021. During this time period there were 3,292 incidents and 4,666 apparatus response records.

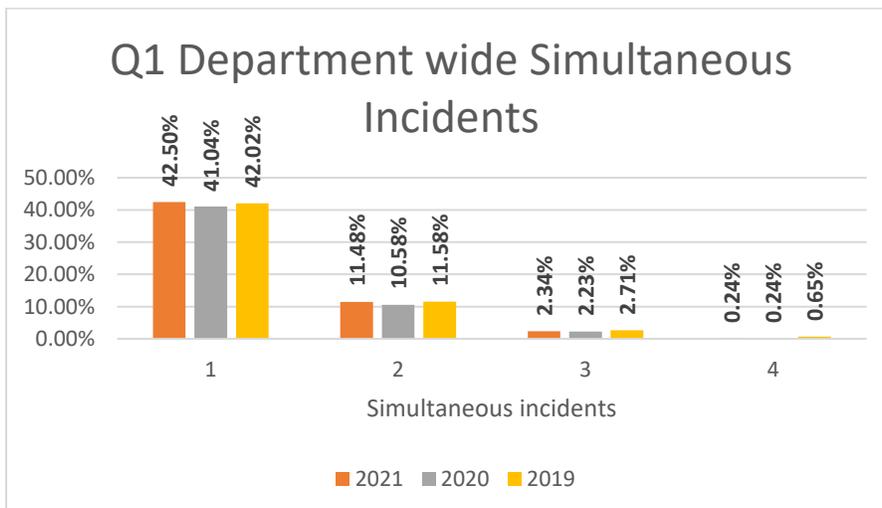
The number of Incidents in the last year was 3,292. The number of Incidents per day was 9.02

The number of Apparatus responses last year was 4,666. Last year there were 1.42 Apparatus responses per Incident.

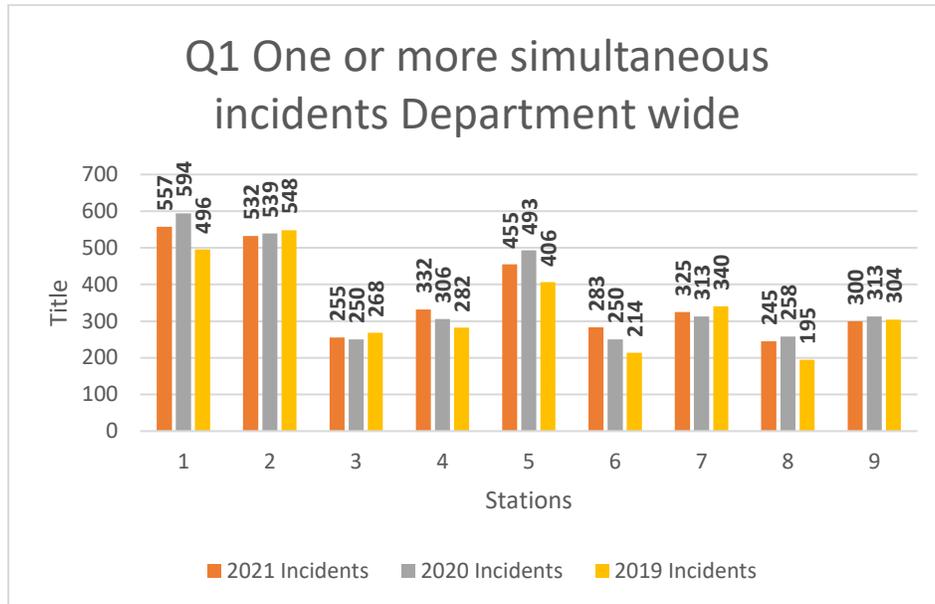
Last year the percentage of fire incidents was 3.13%. EMS incidents accounted for 61% of all incidents. Other types of incidents were 35.87%.

Simultaneous incidents:

The department conducts analysis of simultaneous incidents in order to assist in determining if resources are allocated correctly. The chart below outlines the percentage of time simultaneous incidents occur department wide.



The chart below identifies the number of times a given station was on an incident when another incident occurred somewhere else in the city.



This chart shows the number of times a station was on an emergency incident and another incident occurred in that station area at the same time.

